

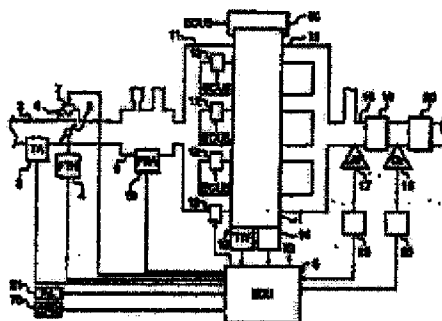


Air-fuel ratio control for IC engine**Publication number:** DE19737840**Publication date:** 1998-03-12**Inventor:** KATO AKIRA (JP); MUNAKATA HIROKI (JP)**Applicant:** HONDA MOTOR CO LTD (JP)**Classification:****- International:** **F02D41/14; F02D41/34; F02D41/14; F02D41/34;** (IPC1-7): F02D41/14; F02D45/00**- European:** F02D41/00H; F02D41/14B2; F02D41/14D1D; F02D41/14D5F**Application number:** DE19971037840 19970829**Priority number(s):** JP19960245461 19960829**Also published as:** US5911682 (A1) JP10073042 (A)[Report a data error here](#)**Abstract of DE19737840**

The IC engine exhaust is monitored by a single sensor (17) in the exhaust duct and linked to a controller which also monitors the separate fuel/air mixture for each cylinder. The exhaust sensor output is checked against a programme which adjusts the separate mixture settings for each cylinder and monitors the effect on the exhaust sensor. The recursion formula type of control enables the mixture ratio for each cylinder to approach the optimum value. The control programme includes the characteristics of the exhaust system using a model.

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